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NOTICE OF ALLOWANCE AND FEE(S) DUE

55694

7

10/26/2009

DRINKER BIDDLE & REATH (DC) 1500 K STREET, N.W. SUITE 1100 WASHINGTON, DC 20005-1209

| EXAMINER | | | |
|-------------------|--------------|--|--|
| PENDLETON, DIONNE | | | |
| ART UNIT | PAPER NUMBER | | |

2627

DATE MAILED: 10/26/2009

| | APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-----------------|-------------|----------------------|---------------------|------------------|
| • | 10/591,750 | 09/01/2006 | Yoshiaki Kojima | 46969-5538 | 3415 |

TITLE OF INVENTION: INFORMATION RECORDING METHOD AND INFORMATION RECORDING APPARATUS

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 01/26/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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| | | | I he Stat add tran | reby certify that this | s Fee(s) Transmittal is bein | g deposited with the United st class mail in an envelope above, or being facsimile late indicated below. |
| WASHINGTON | N, DC 20005-1209 | | | | | (Depositor's name) |
| | | | | | | (Signature) |
| | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/591,750 | 09/01/2006 | • | Yoshiaki Kojima | | 46969-5538 | 3415 |
| TITLE OF INVENTION | I: INFORMATION REC | ORDING METHOD AN | D INFORMATION RECO | PRDING APPARAT | US | |
| APPLN, TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE | FEE TOTAL FEE(S) DUE | DATE DUE |
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 01/26/2010 |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS |] | | |
| PENDLETO | N, DIONNE | 2627 | 369-047100 | | | |
| CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. The Address indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | | | | |
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| Please check the appropri | riate assignee category or | categories (will not be p | rinted on the patent): | Individual 🖵 Cor | rporation or other private gr | oup entity Government |
| 4a. The following fee(s) | are submitted: | 41 | | ise first reapply an | y previously paid issue fee | shown above) |
| ☐ Issue Fee☐ Publication Fee (N | No small entity discount p | permitted) | ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. | | | |
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| 5. Change in Entity Sta | itus (from status indicate | * | | | L ENTITY status. See 37 C | |
| NOTE: The Issue Fee an | d Publication Fee (if rea | | d from anyone other than t | | | he assignee or other party in |
| interest as snown by the | records of the United Sta | tes Patent and Trademark | Conice. | | | |
| Authorized Signature | | | | Date | | |
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| This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223 | tiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC | FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will varyeden, should be sent to the NOT SEND FEES OR | on is required to obtain or a 1.14. This collection is esty depending upon the individe Chief Information Office COMPLETED FORMS TO | retain a benefit by the imated to take 12 m ridual case. Any cor er, U.S. Patent and TO THIS ADDRESS. | ne public which is to file (an inutes to complete, includi ments on the amount of ti Trademark Office, U.S. Dep SEND TO: Commissioner | d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, |

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| 55694 75 | 590 10/26/2009 | | EXAM | INER |
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| 1500 K STREET, | N.W. | | ART UNIT | PAPER NUMBER |
| SUITE 1100 WASHINGTON, DC 20005-1209 | | 2627 DATE MAILED; 10/26/200 | 9 | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 266 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 266 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 10/591,750 | KOJIMA, YOSHIAKI |
| Notice of Allowability | Examiner | Art Unit |
| | DIONNE H. PENDLETON | 2627 |
| The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to | olication. If not included will be mailed in due course. THIS |
| 1. X This communication is responsive to <u>amendment filed 9/29</u> | <u>9/2009</u> . | |
| 2. ☑ The allowed claim(s) is/are <u>2,8 and 9</u> . | | |
| 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the priority documents have 4. Copies of the priority documents have 4. Copies of the priority documents have 5. Copies of the priority documents have 6. Copies of the priority documents have 6. | e been received. been received in Application No cuments have been received in this is of this communication to file a reply IENT of this application. itted. Note the attached EXAMINER bes reason(s) why the oath or declarate bets be submitted. son's Patent Drawing Review (PTO- best Amendment / Comment or in the Comment or in the Comment of BIOLOGICAL MATERIAL in sit of BIOLOGICAL MATERIAL in | national stage application from the complying with the requirements S AMENDMENT or NOTICE OF tion is deficient. 948) attached Office action of the back) of d). nust be submitted. Note the |
| Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material | 9. Other /Wayne Young/ | (PTO-413), te nent/Comment ent of Reasons for Allowance |
| | Supervisory Patent Exa | ammer, Art Utill 2021 |
| | | |

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REASONS FOR ALLOWANCE

Response to Amendment

1. Claims 1 and 3-7 are cancelled by the Applicant.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In Claim 8,

In line 1, "medium" has been replaced with - - method - -

Allowable Subject Matter

- 3. Claims 2, 8 and 9 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to teach or to fairly suggest an information recording method of recording a recording track and a pit positioned between the recording tracks characterized by comprising steps of:

Rotating the disk, recording a recording track by irradiating a beam directly from a single electron optical system onto the original disc; deflecting the beam used for recording the recording track, in a radial direction to a position where a pit is to be formed when the beam reaches a predetermined position; recording the pit; deflecting

the beam again, this time in a tangential direction; and finally deflecting the beam back to the position of the disc where the deflection from the recording track to the recording pit takes place when the beam reaches a predetermined position.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Deeman (US 2004/0021976) teaches apparatus for exerting control of rotating electron beam recorder.

Isshiki (US 7,187,643) teaches a device for deflecting and blanking an electron beam.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DIONNE H. PENDLETON whose telephone number is (571)272-7497. The examiner can normally be reached on 10:30-7:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571-272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2627

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dionne H Pendleton/ Examiner, Art Unit 2627

/Wayne Young/ Supervisory Patent Examiner, Art Unit 2627